

REMARKS/ARGUMENTS

In response to the Final Office Action dated July 11, 2005, please consider the following remarks.

In the Office Action issued July 11, 2005, claims 1, 4, 7-15, and 17-24 were rejected under 35 U.S.C. §112, ¶1 as failing to comply with the enablement requirement. Claims 1, 4, 7-15, and 17-24 were rejected under 35 U.S.C. §112, ¶2 as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention. Claims 1, 4, and 7-24 were rejected under 35 U.S.C. §112, ¶2 as being incomplete for omitting essential elements. The drawings filed on February 2, 2005 were indicated as not being acceptable.

Regarding the drawings, replacement drawing sheets have been submitted, which are believed to respond to Examiner's rejection. Each replacement drawing sheet has been identified in the top margin as a "Replacement Sheet".

Claims 1, 4, and 7-24 are now pending in this application. Claim 13 has been amended to correct a typing error. Claims 1, 18, 20, and 21 have been amended in response to the rejections under 35 U.S.C. §112, ¶1, and 35 U.S.C. §112, ¶2, and to more particularly point out the subject matter that the inventor considers to be the invention. In particular, based on the Examiner's remarks claims 1, 20, and 21 have been amended to correctly recite identifying certain tiles do not intersect an object. This is believed to overcome the §112, ¶1 rejection.

With regards to the Examiner's rejection that the disclosure is not enabling under §112, ¶2, in particular with respect to the Examiner's statement that the primary filter and secondary filter are important concepts in determining the intersection and comparing the tiles, the applicant respectfully submits that although the specific terminology has been deleted, each step is still present and defined within the claims and distinctly and separately stated. Applicant respectfully suggests that this description is sufficient to render the practice of the invention enabled by the disclosure.

The amended claims are believed to place the application in condition for allowance. Accordingly, entry of the amendments and favorable reconsideration of this case are respectfully requested.

Additional Fees:

The Commissioner is hereby authorized to charge any insufficient fees or credit any overpayment associated with this application to Deposit Account No. 19-5127 (19111.0037).

Respectfully Submitted,

A handwritten signature in black ink, appearing to be 'R. Bertin', with a long horizontal stroke extending to the right.

Robert C. Bertin
Reg. No. 41,488

Dated: September 12, 2005

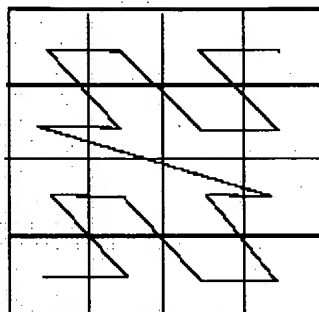
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Annotated sheet Showing Changes
Application No. 09/865,597
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2	3
0	1

22	23	32	33
20	21	30	31
02	03	12	13
00	01	10	11



LINEAR SORTING LINEAR SORTING SPACE-FILLING CURVE

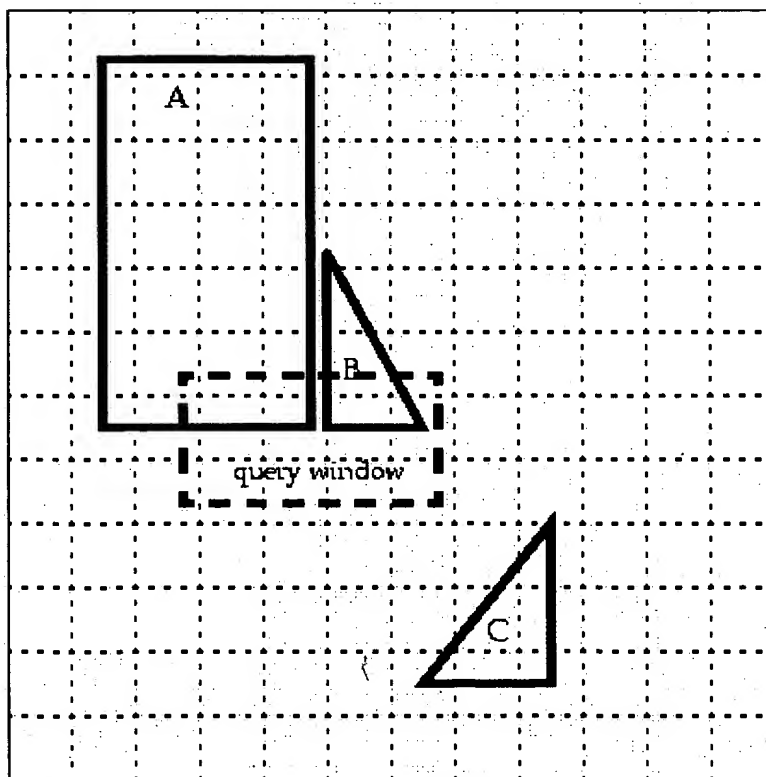
Fig. 1A (25)

Fig. 1B (62)

~~Fig. 1C~~ Fig. 4C

PRIOR ART

~~Fig. 1~~

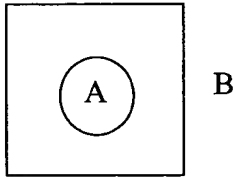


PRIOR ART

Fig. 2

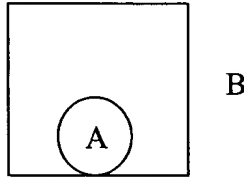
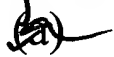


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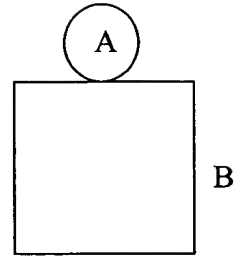
OBJECT A IN
OBJECT B

Fig. 6A



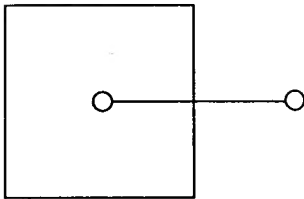
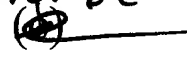
OBJECT A IN OBJECT B,
BOUNDARIES TOUCHING

Fig. 6B



OBJECT A OUTSIDE
OBJECT B, BOUNDARIES
TOUCHING

Fig. 6C



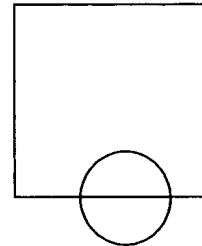
INTERIOR OF LINE
INTERSECTS BOUNDARY
OF POLYGON

Fig. 6D



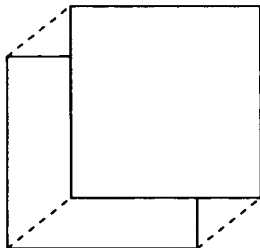
BOUNDARY OF LINE
INTERSECTS BOUNDARY
OF POLYGON

Fig. 6E



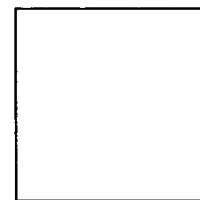
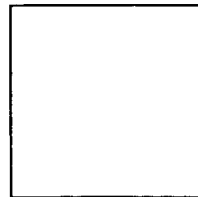
BOUNDARIES OF TWO
POLYGONS INTERSECT

Fig. 6F



TWO OBJECTS
EQUAL

Fig. 6G



TWO OBJECTS DISJOINT
AND DO NOT INTERSECT

Fig. 6H

